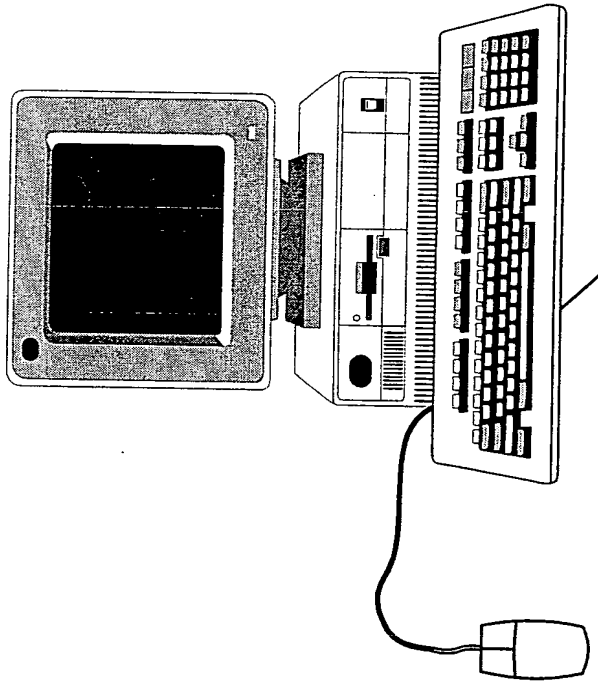


TOP SECRET 22945660



Computer System  
82

Figure 1

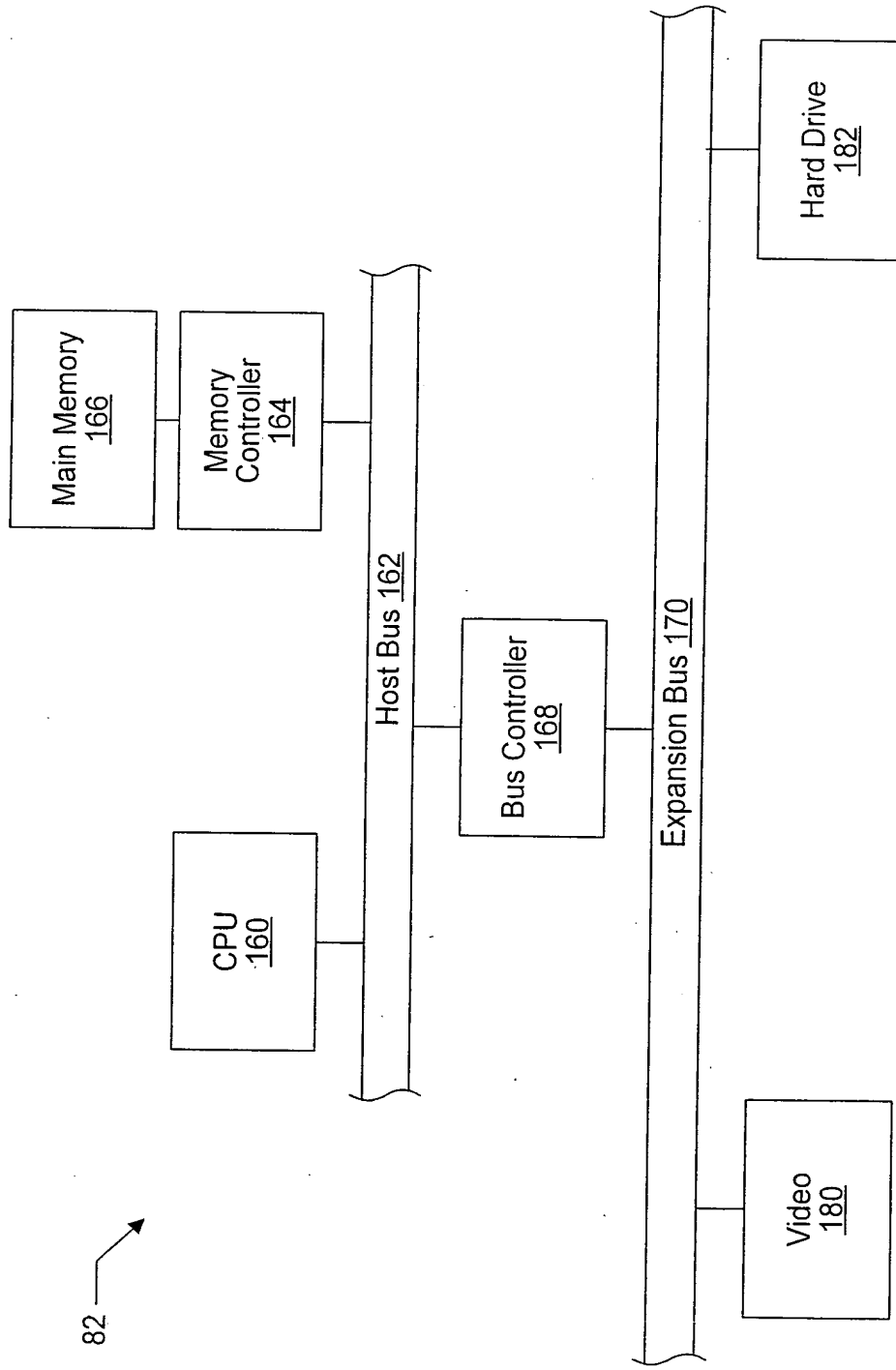


Figure 2

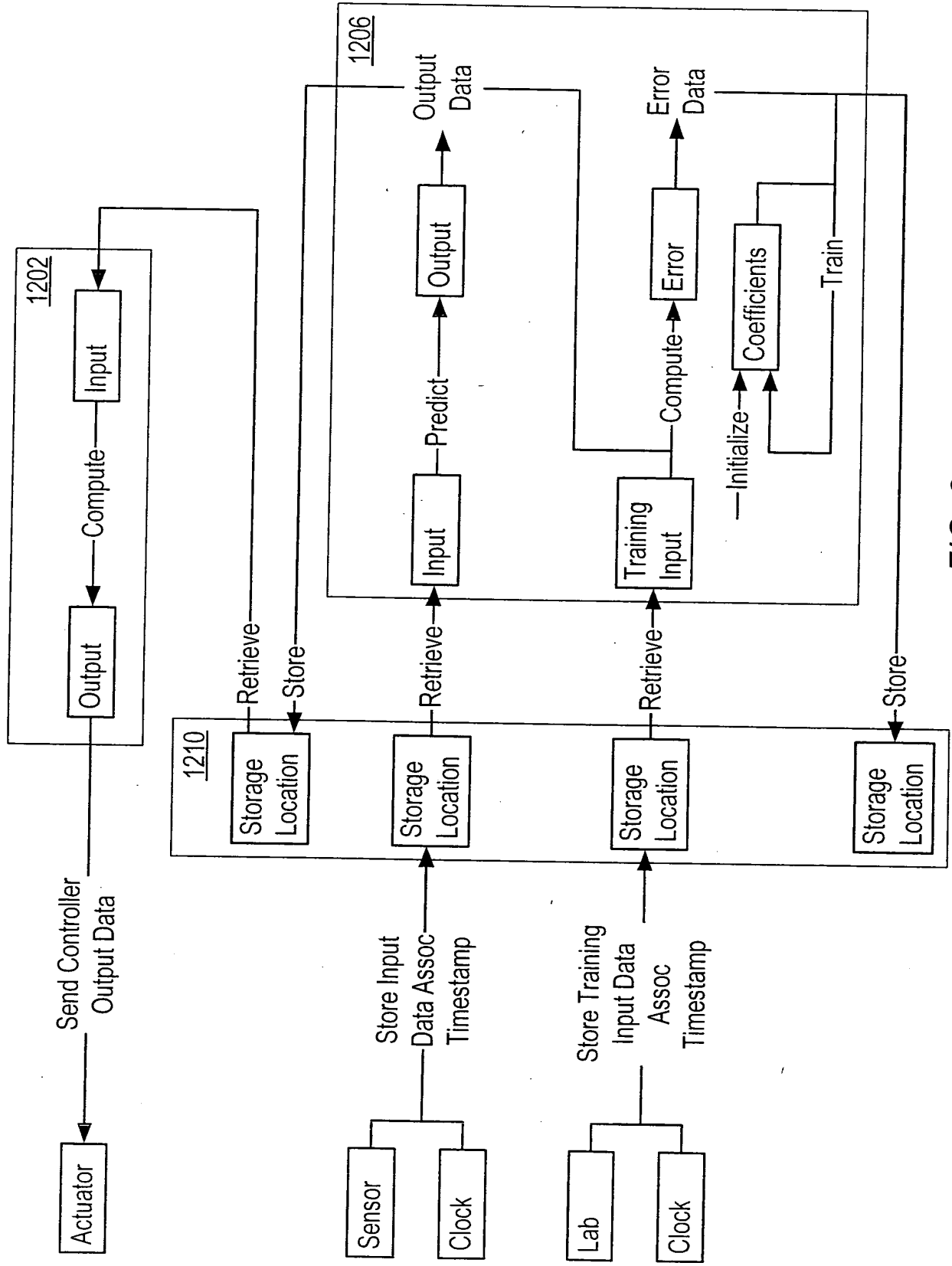


FIG. 3

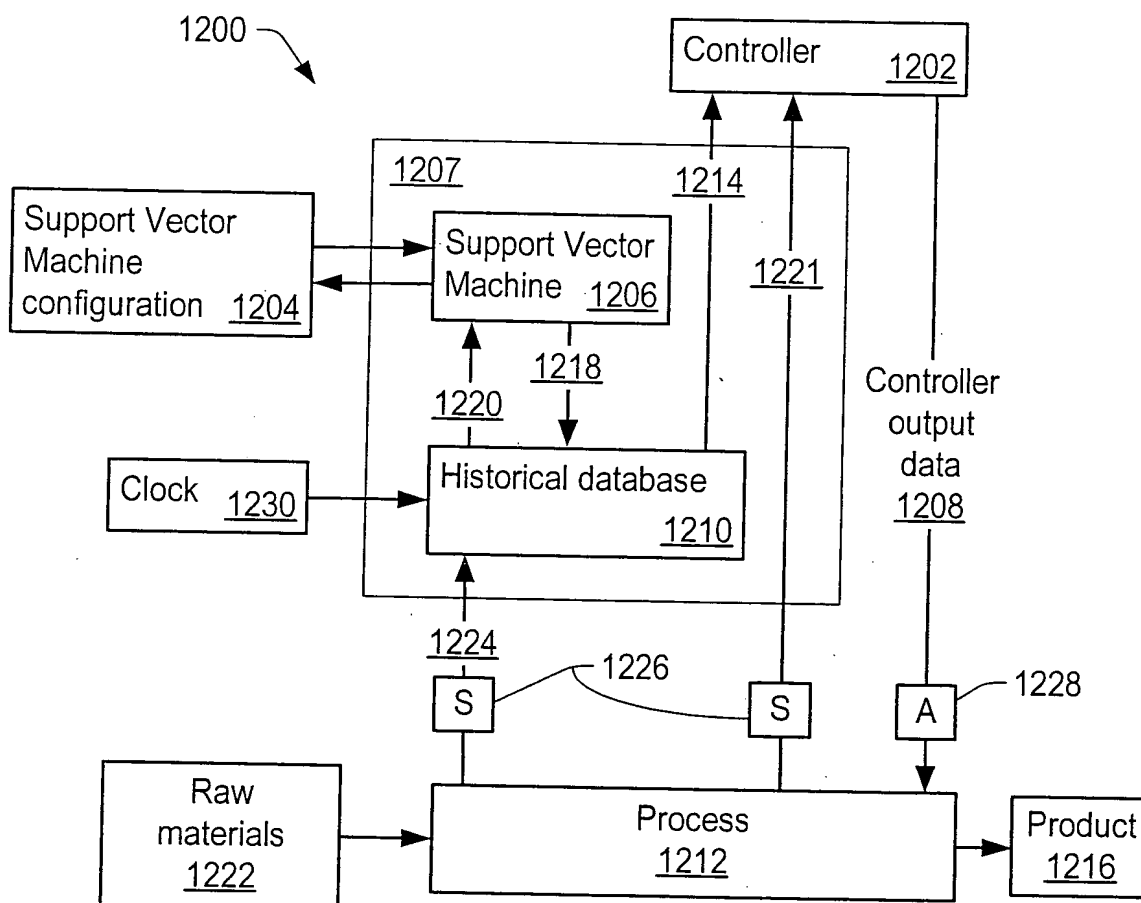


FIG. 4

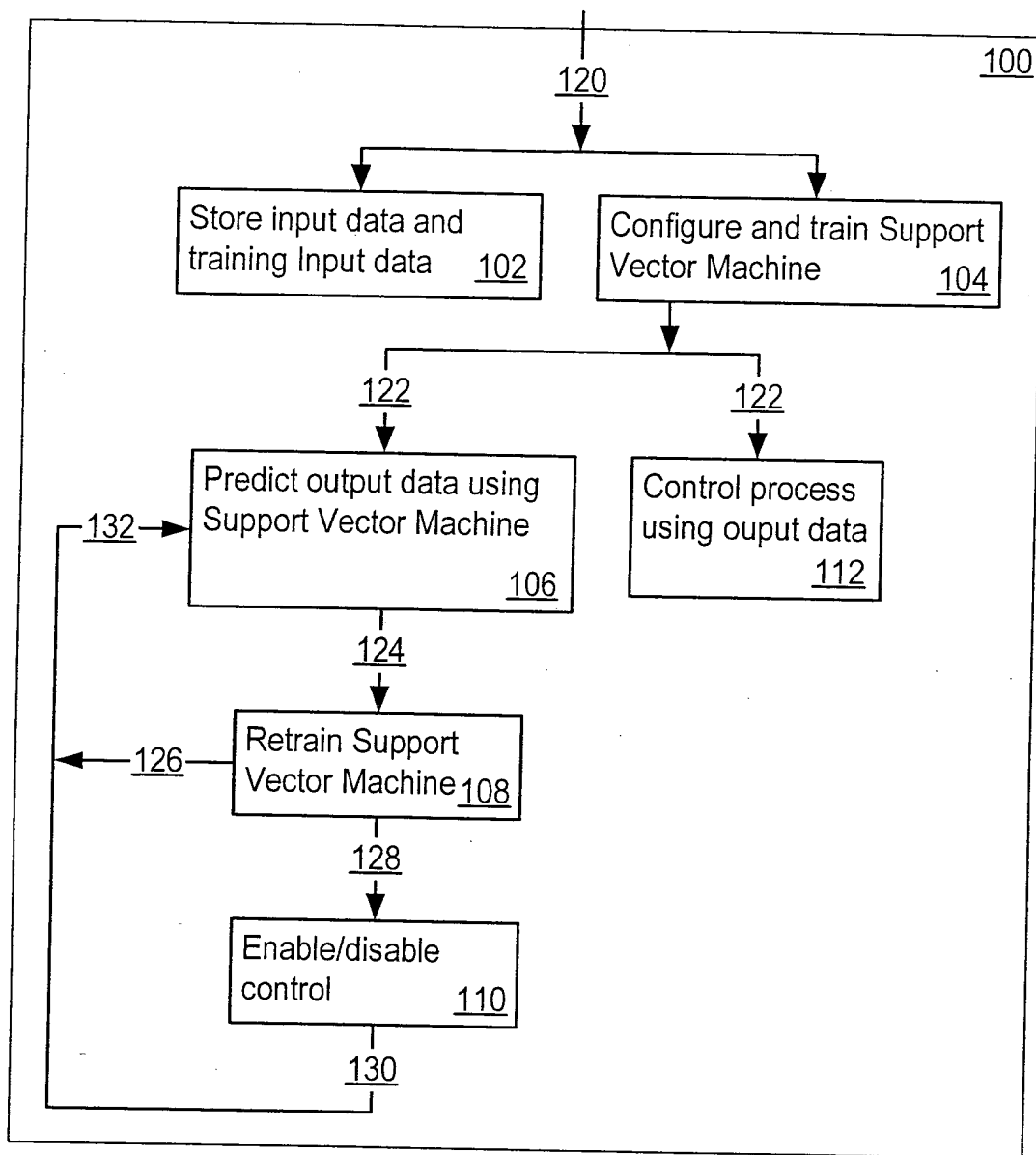


FIG. 5

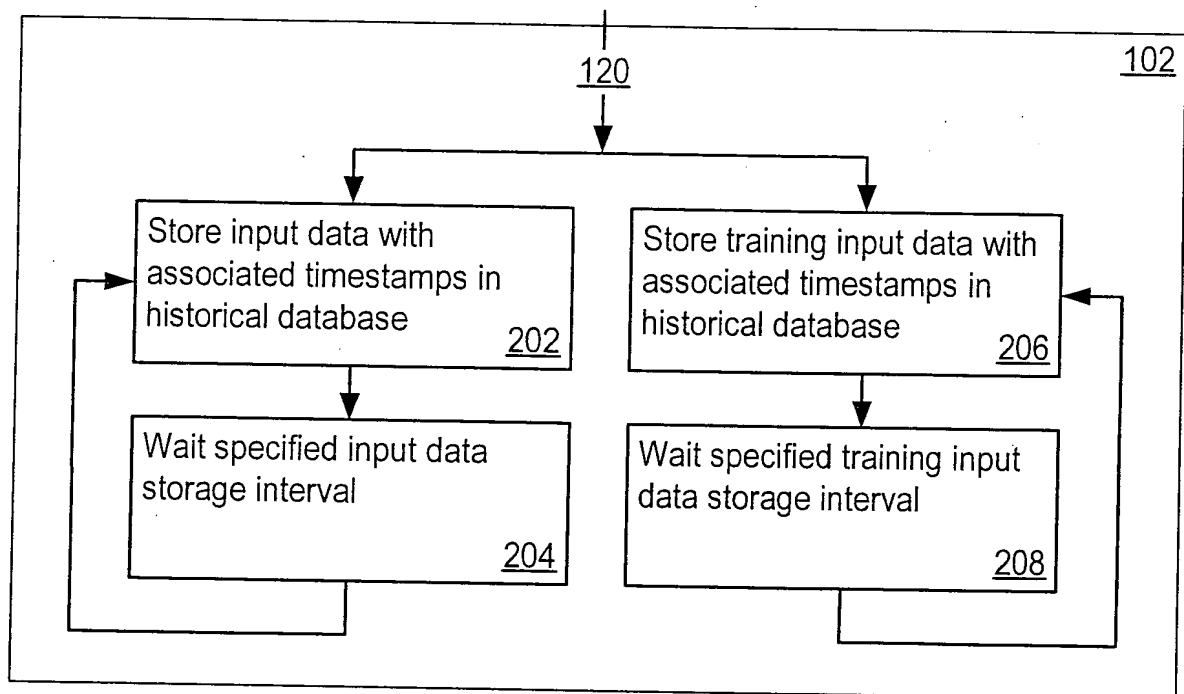


FIG. 6

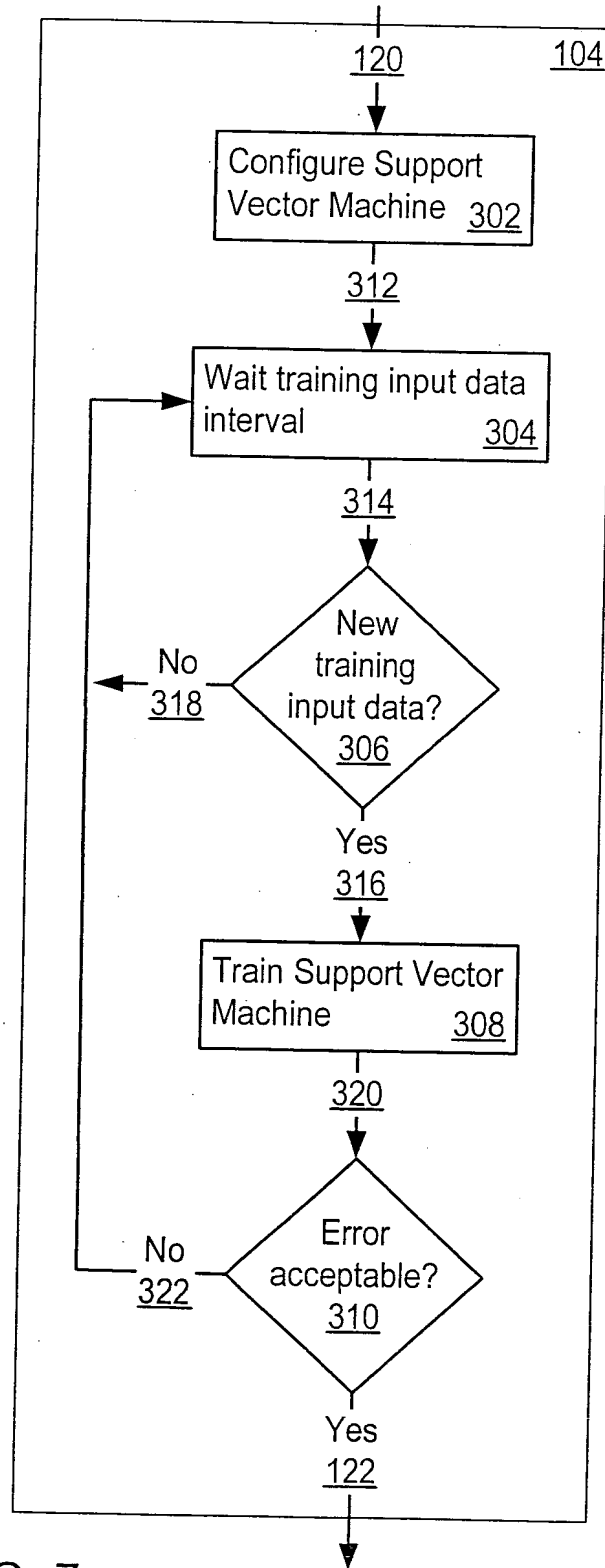


FIG. 7

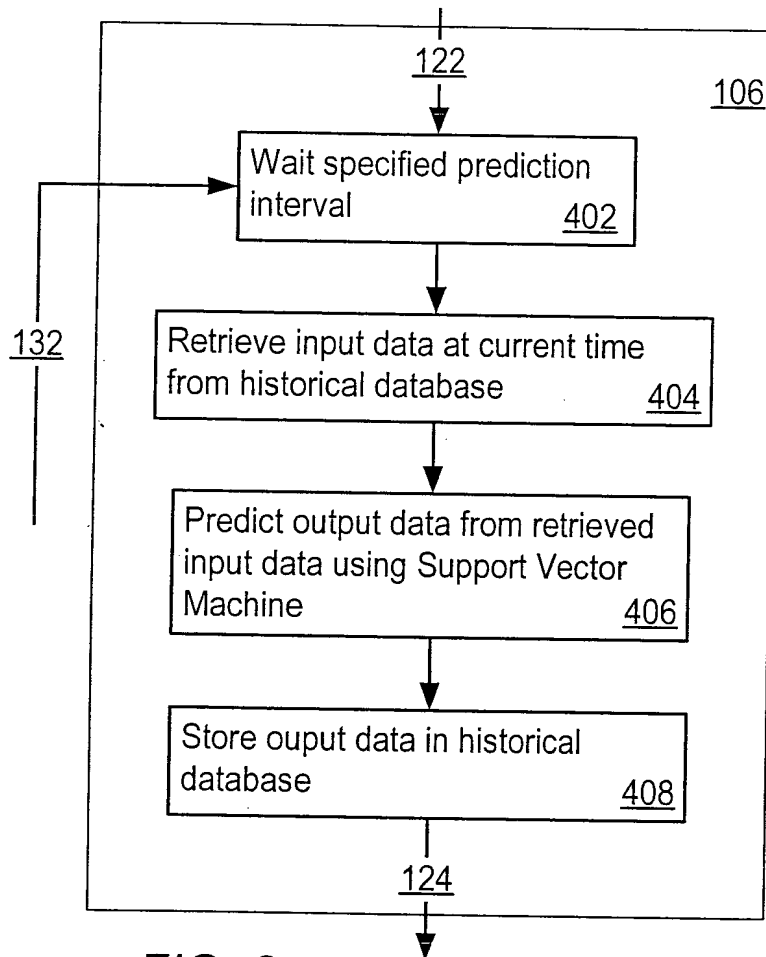


FIG. 8



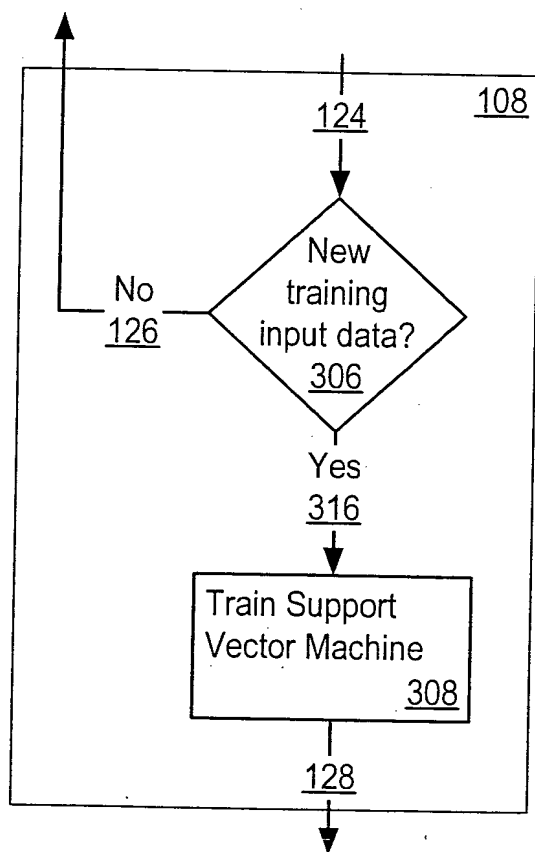


FIG. 9

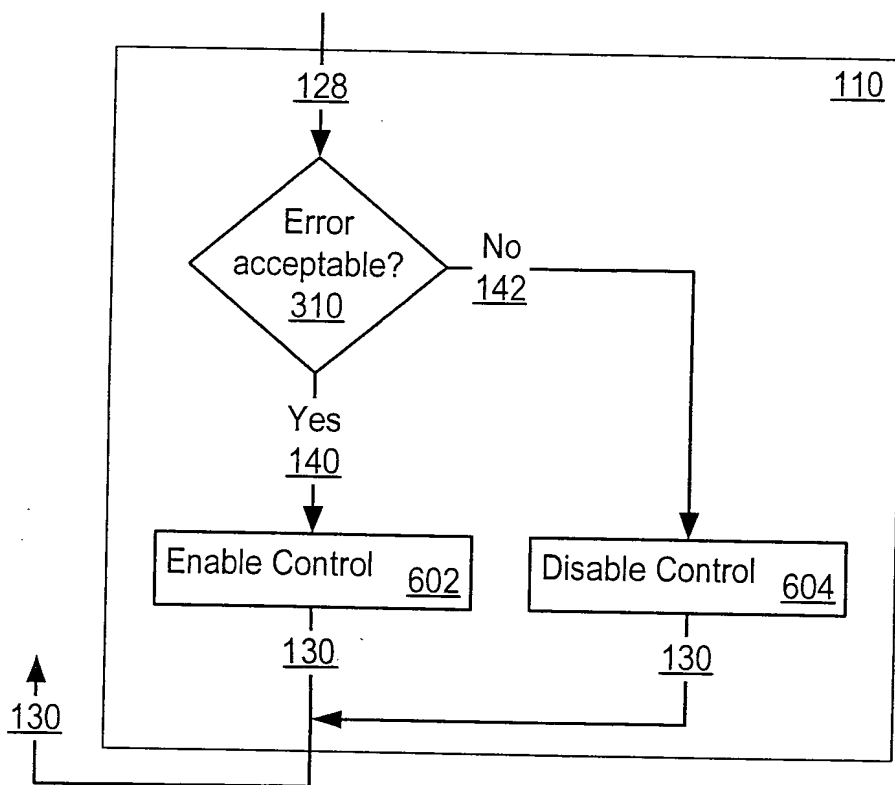


FIG. 10

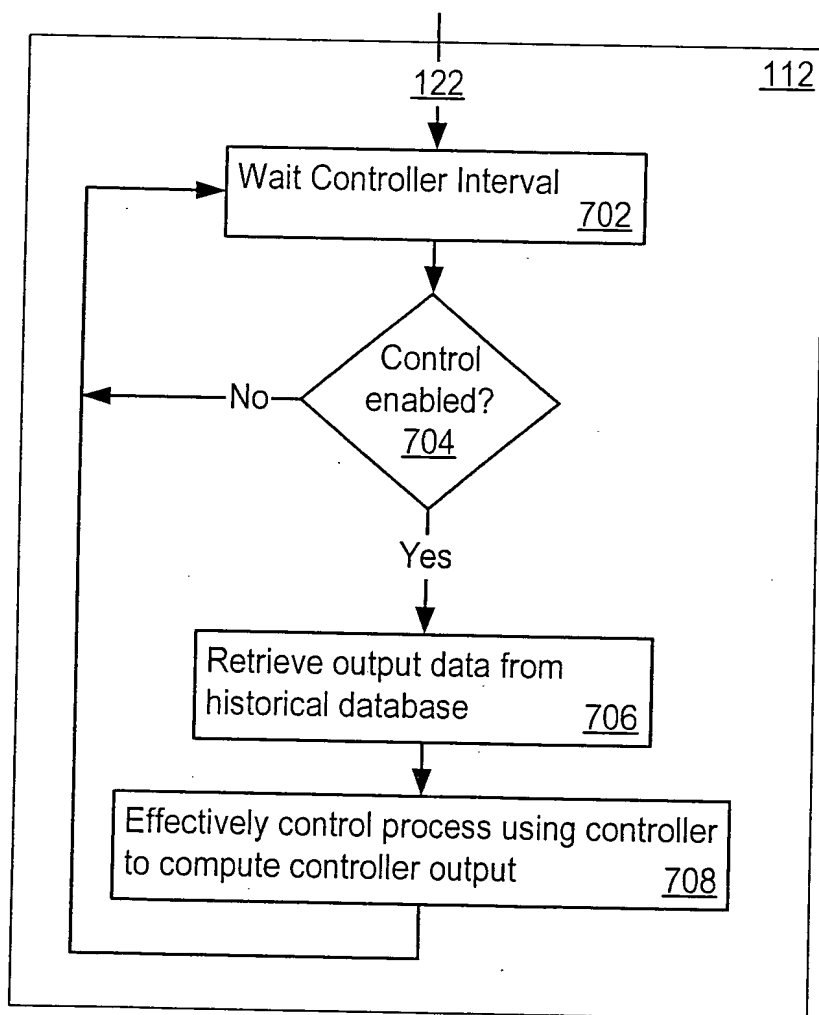


FIG. 11

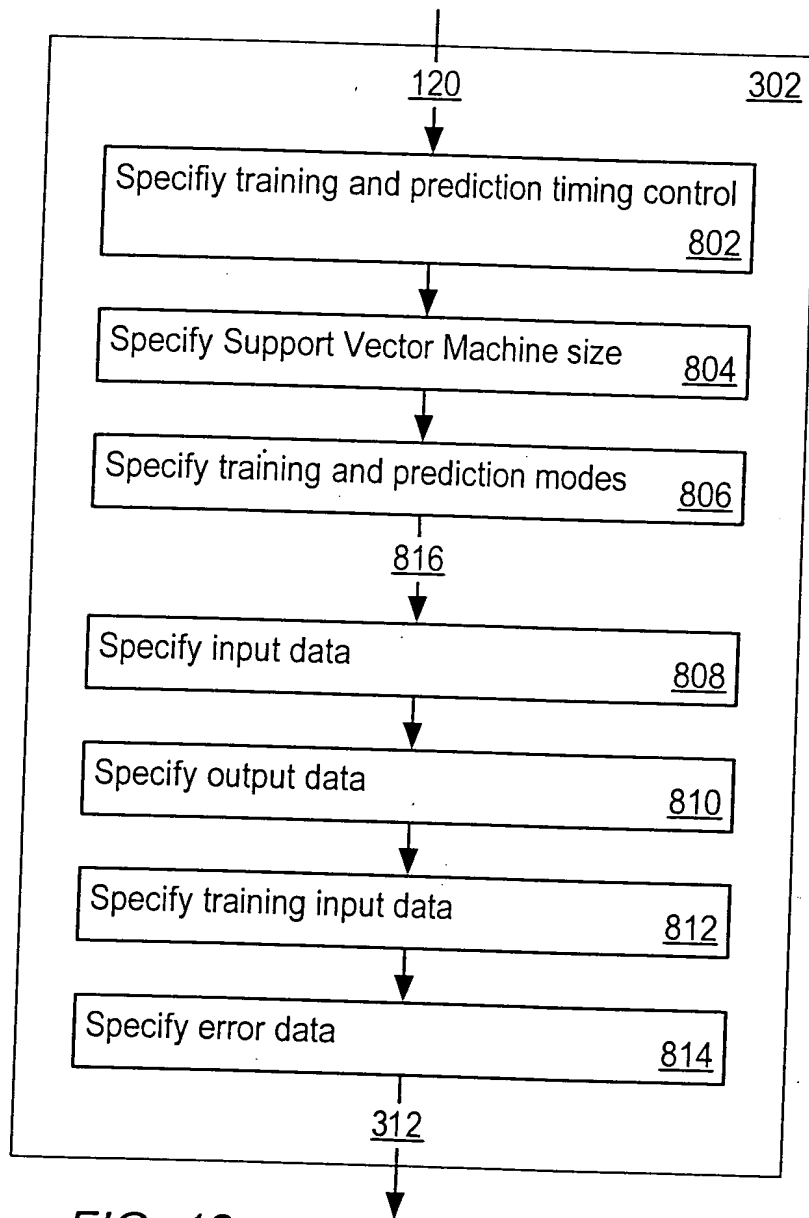


FIG. 12

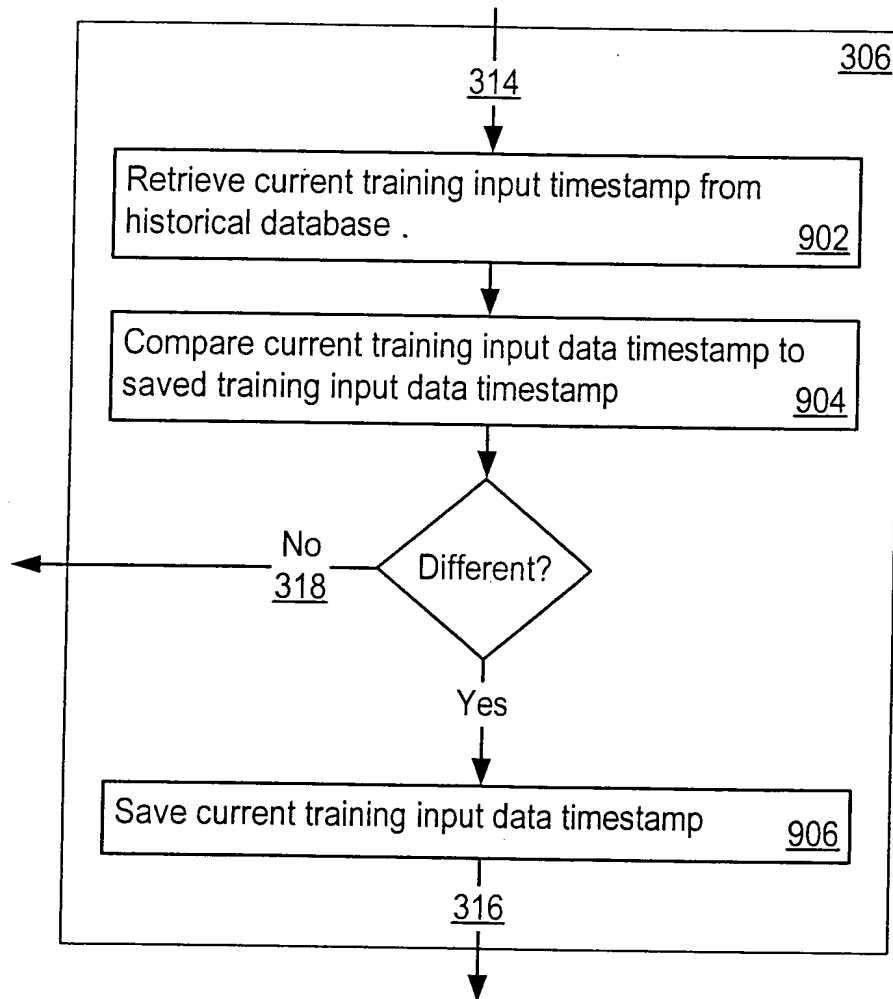


FIG. 13

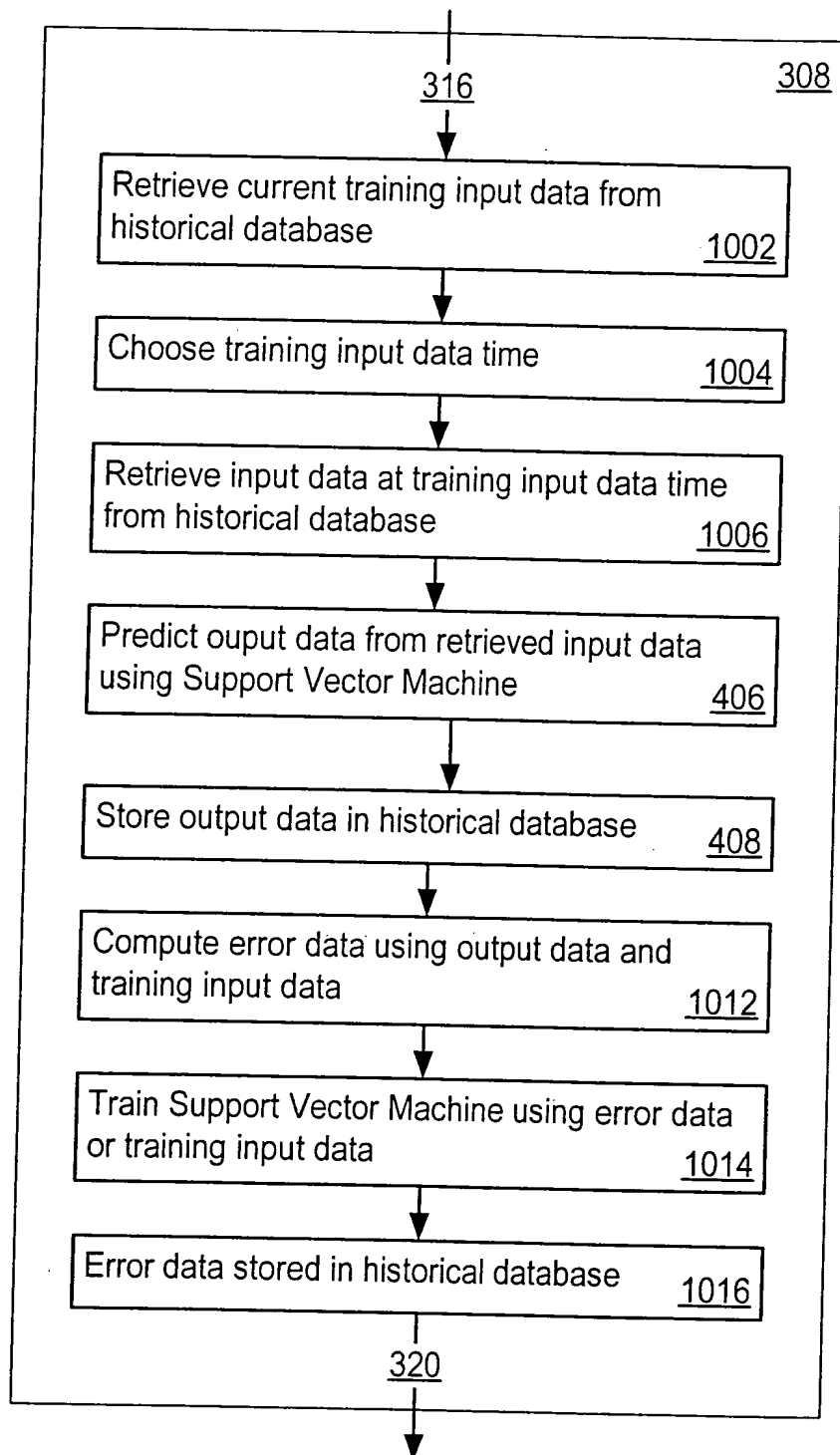


FIG. 14

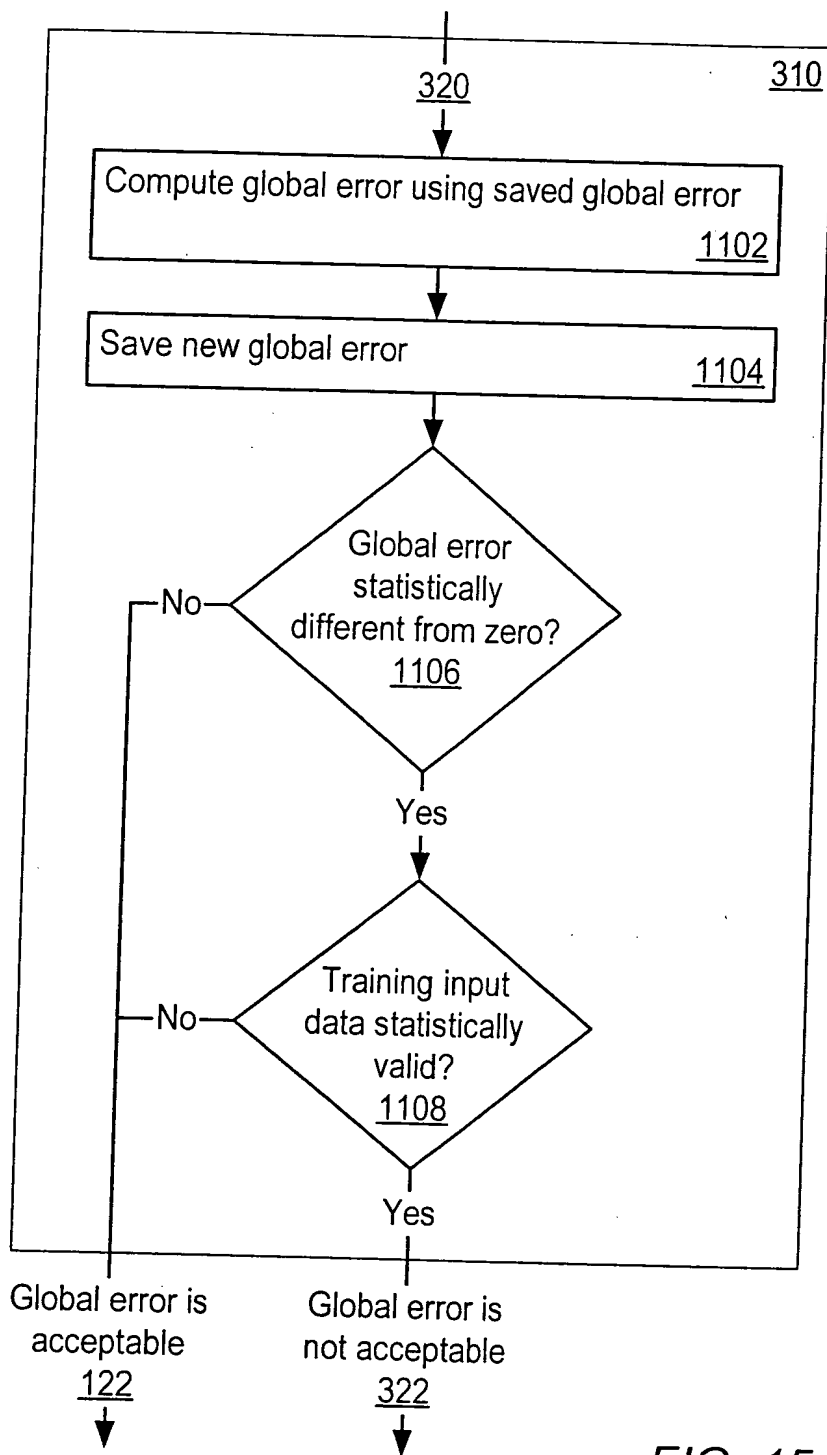
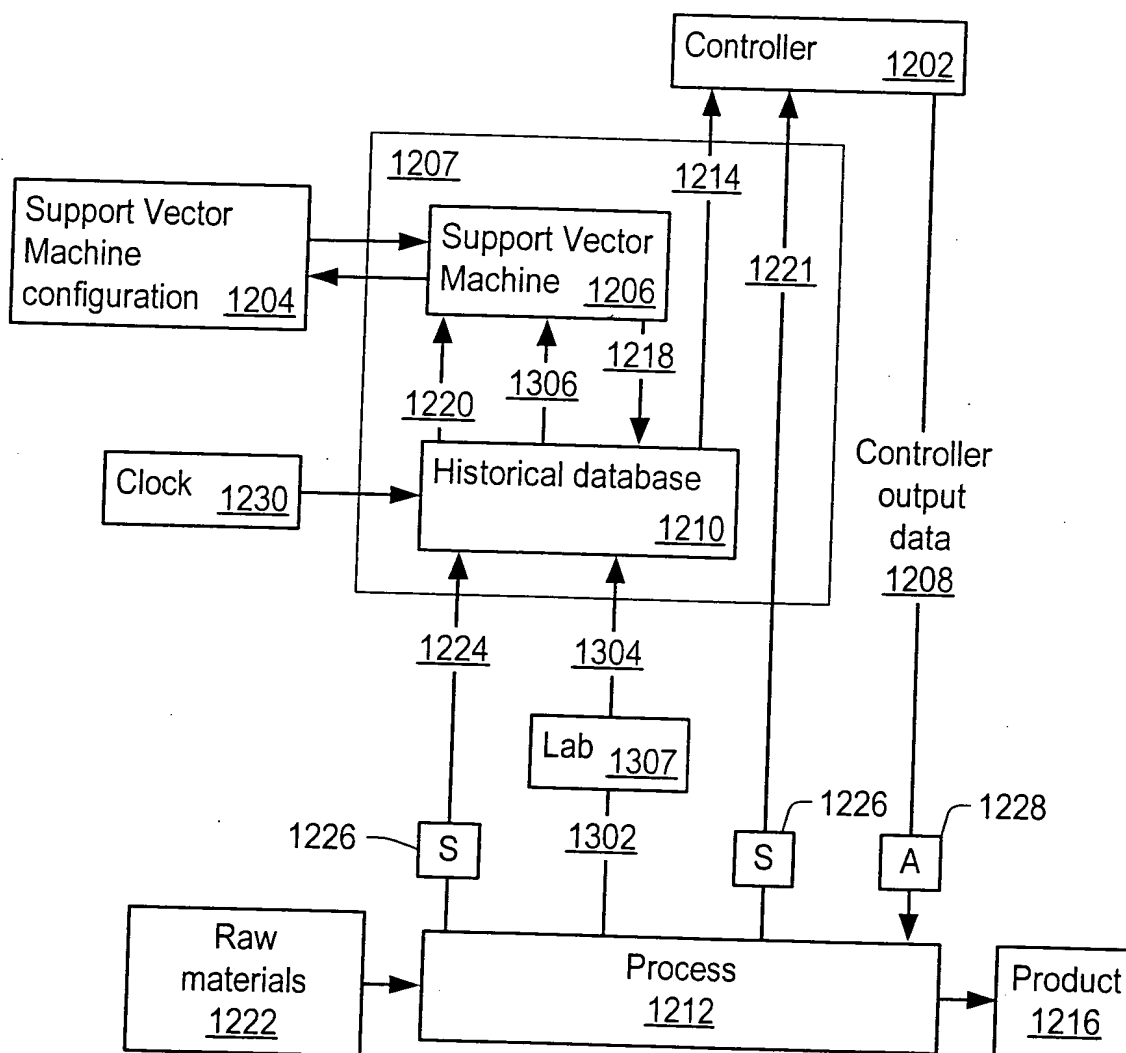


FIG. 15





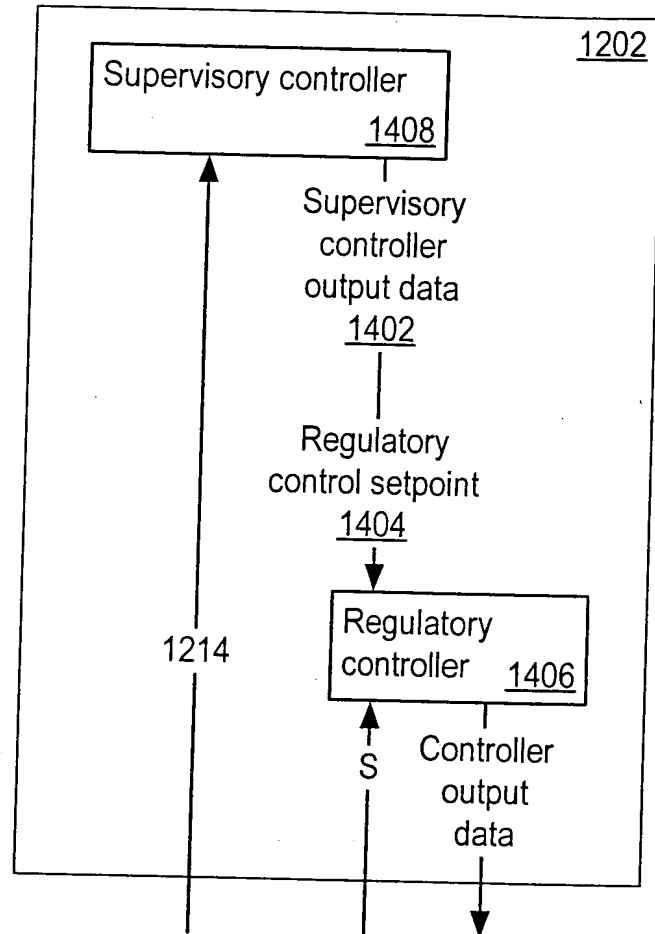


FIG. 17

09997627 11380  
"0821" 229/6660

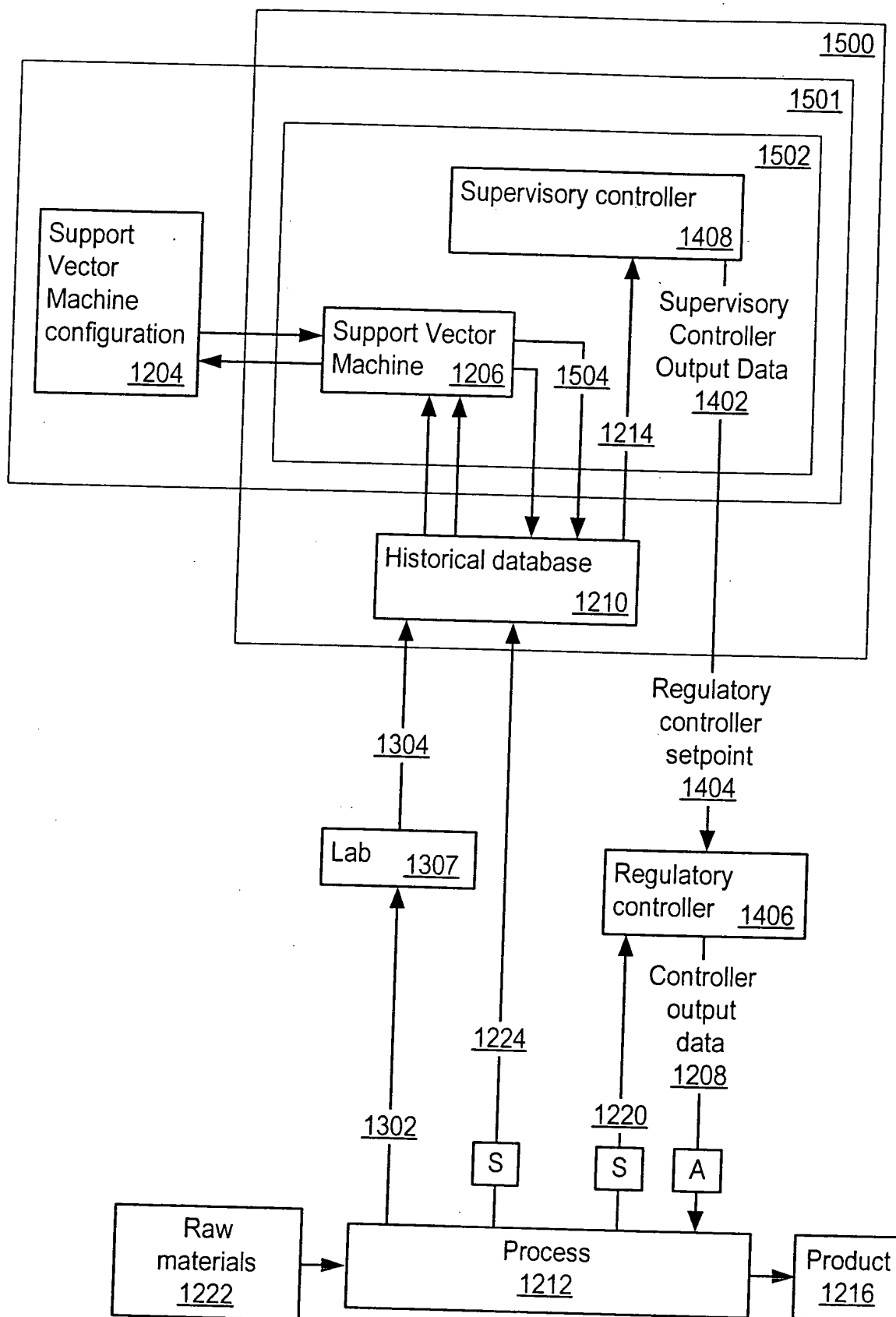


FIG. 18

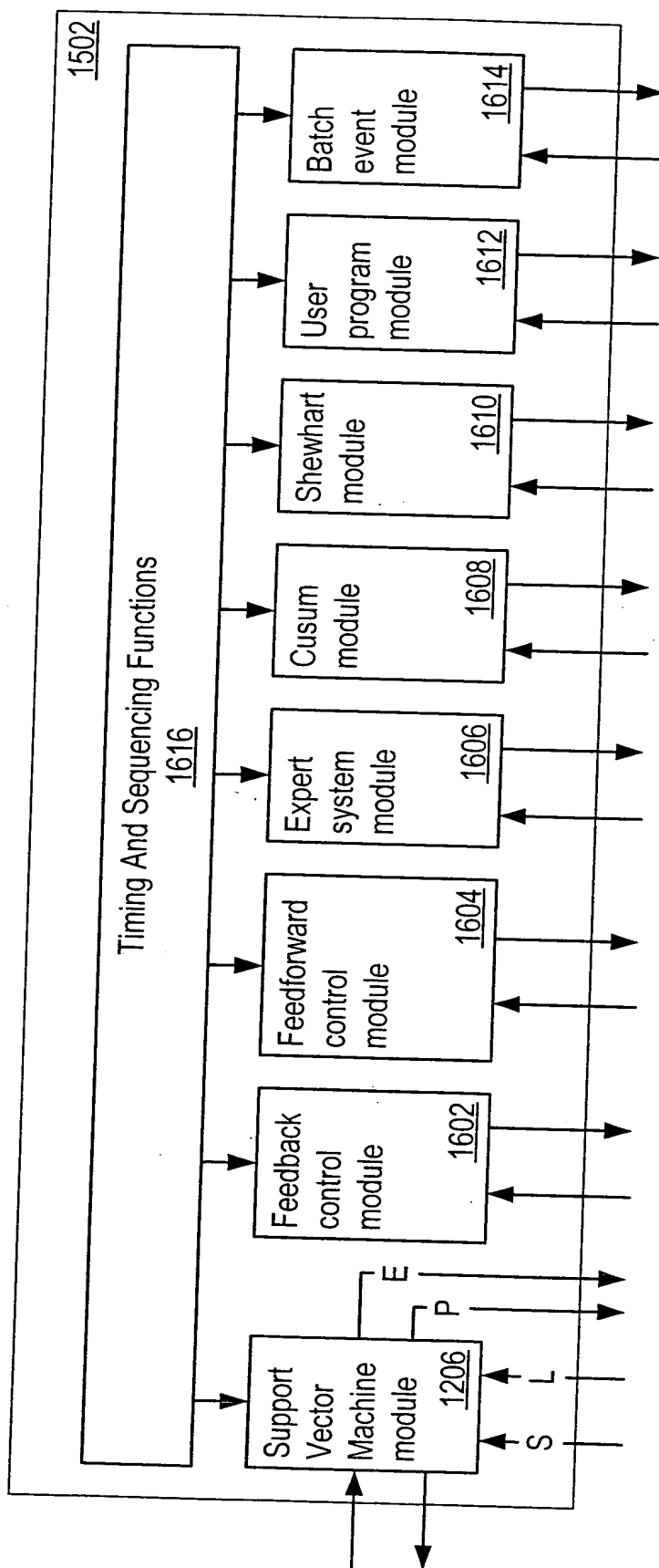


FIG. 19

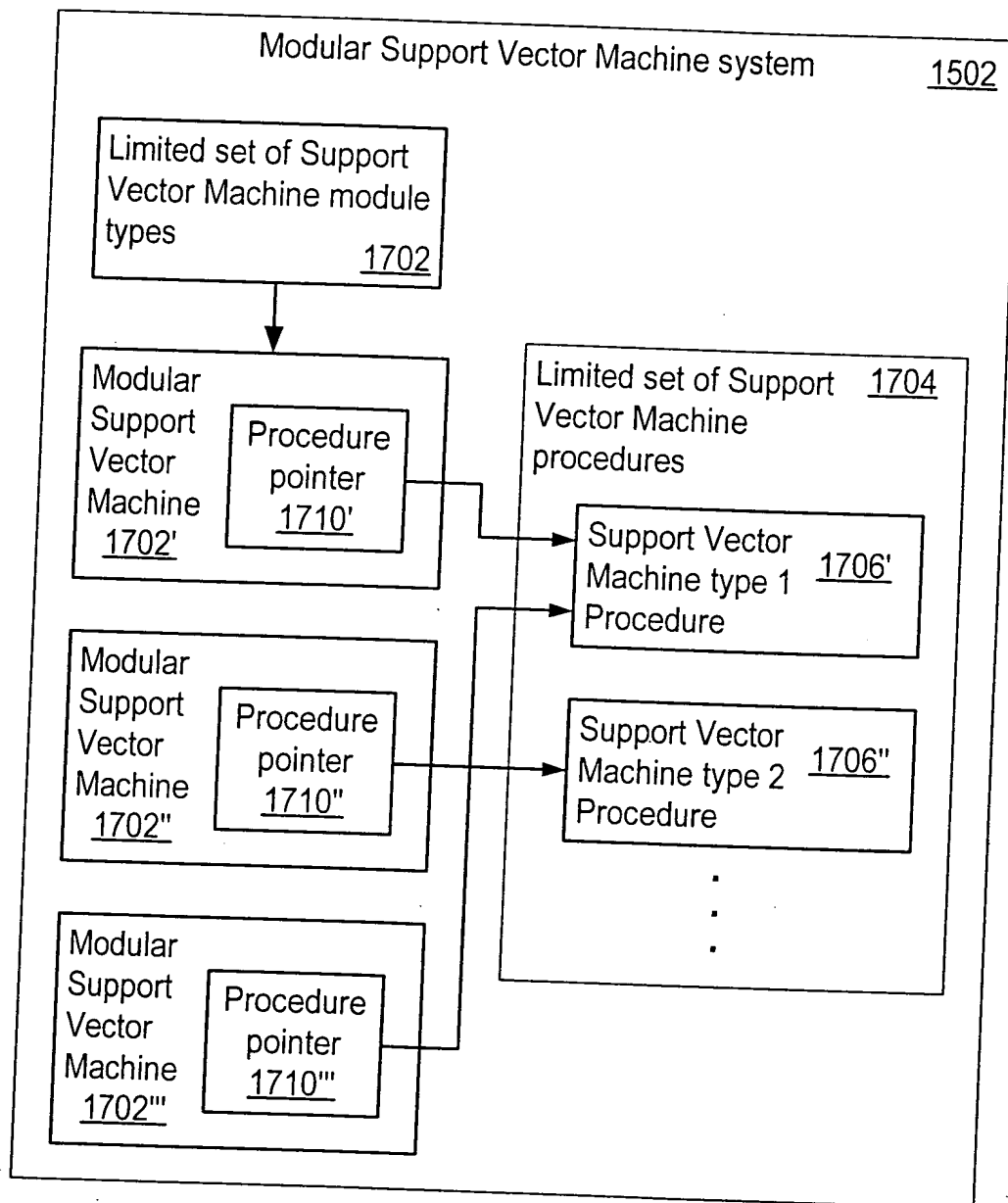


FIG. 20

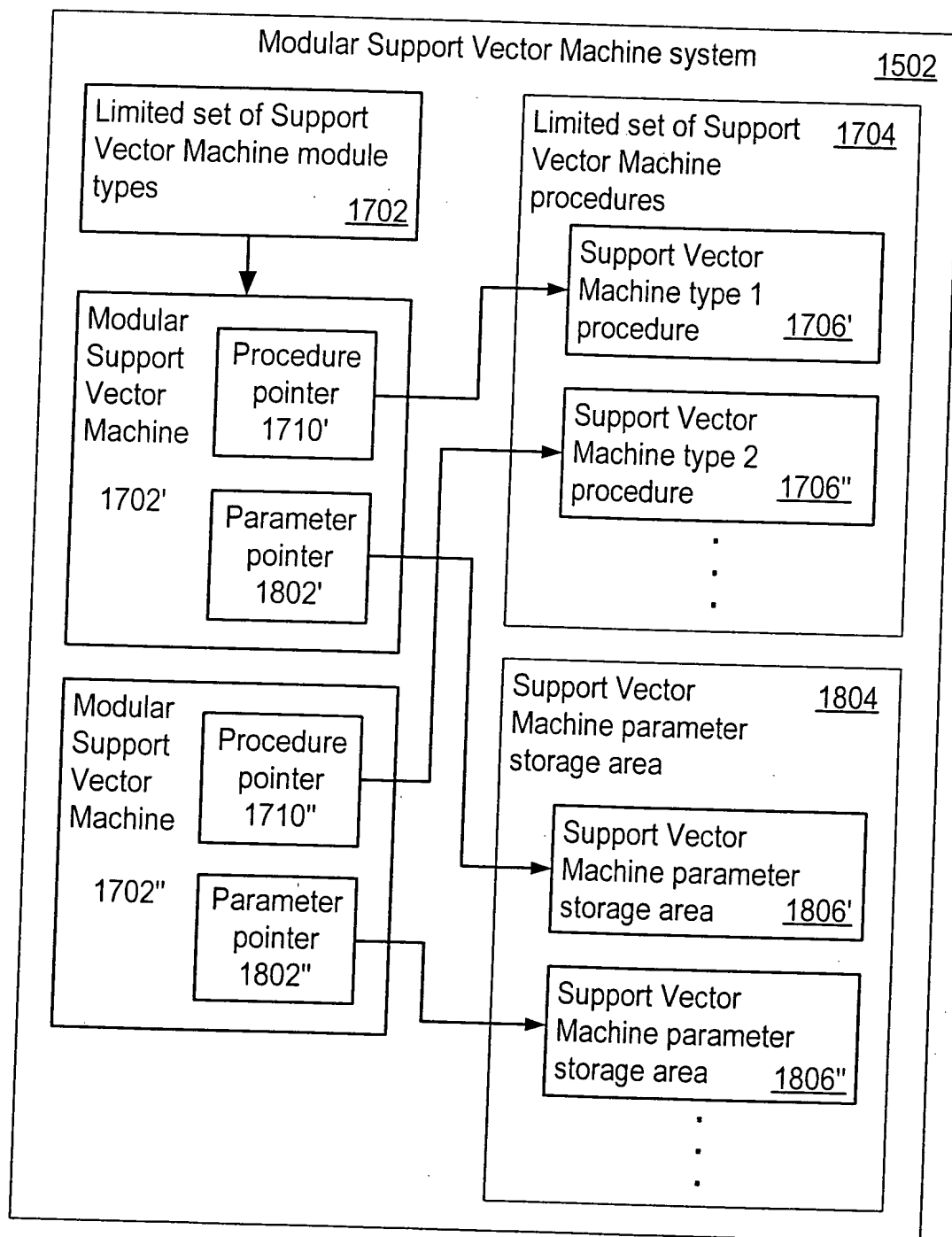


FIG. 21

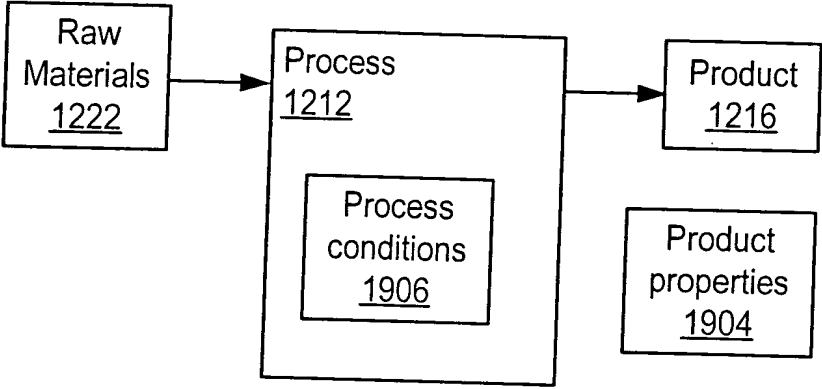


FIG. 22

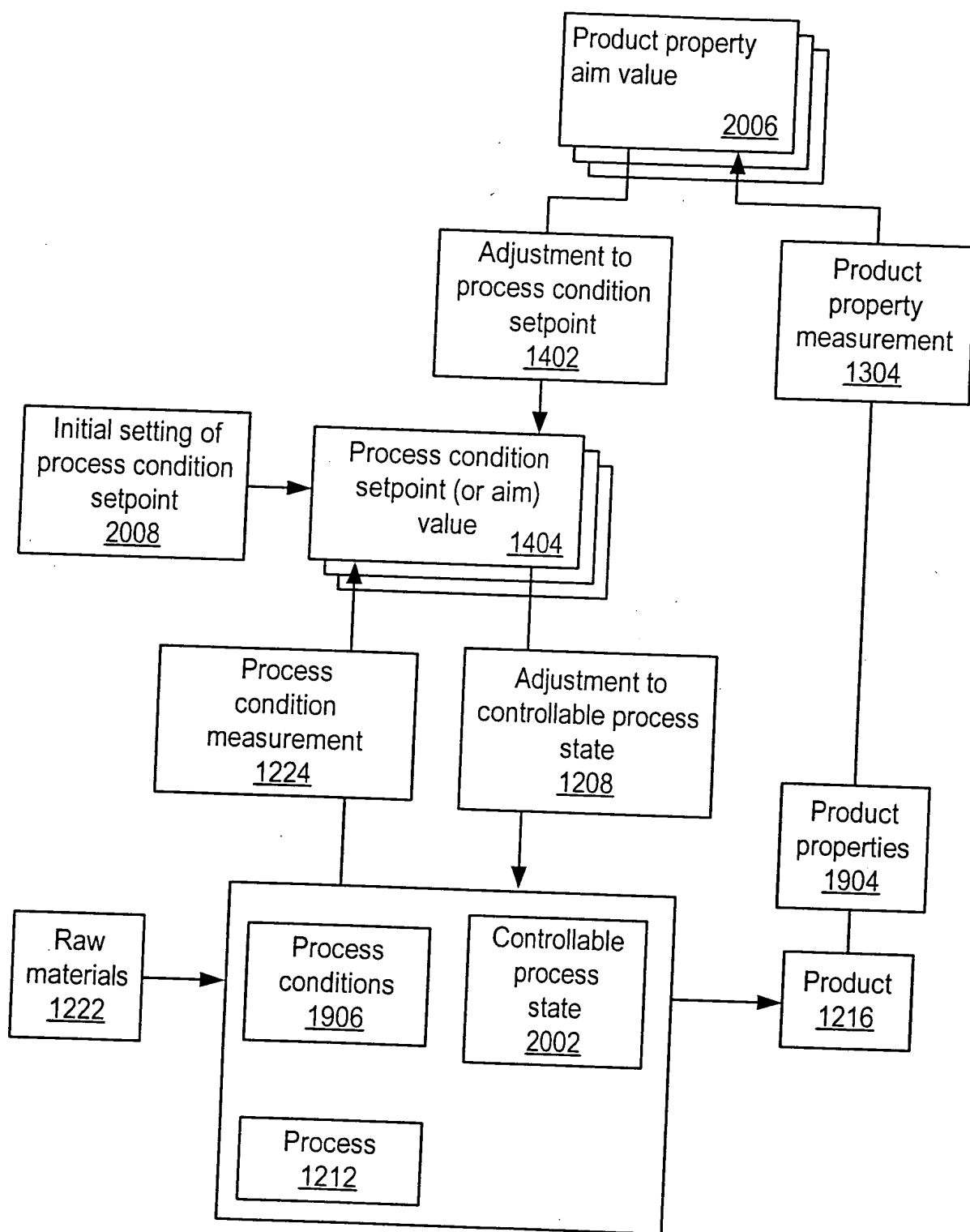


FIG. 23

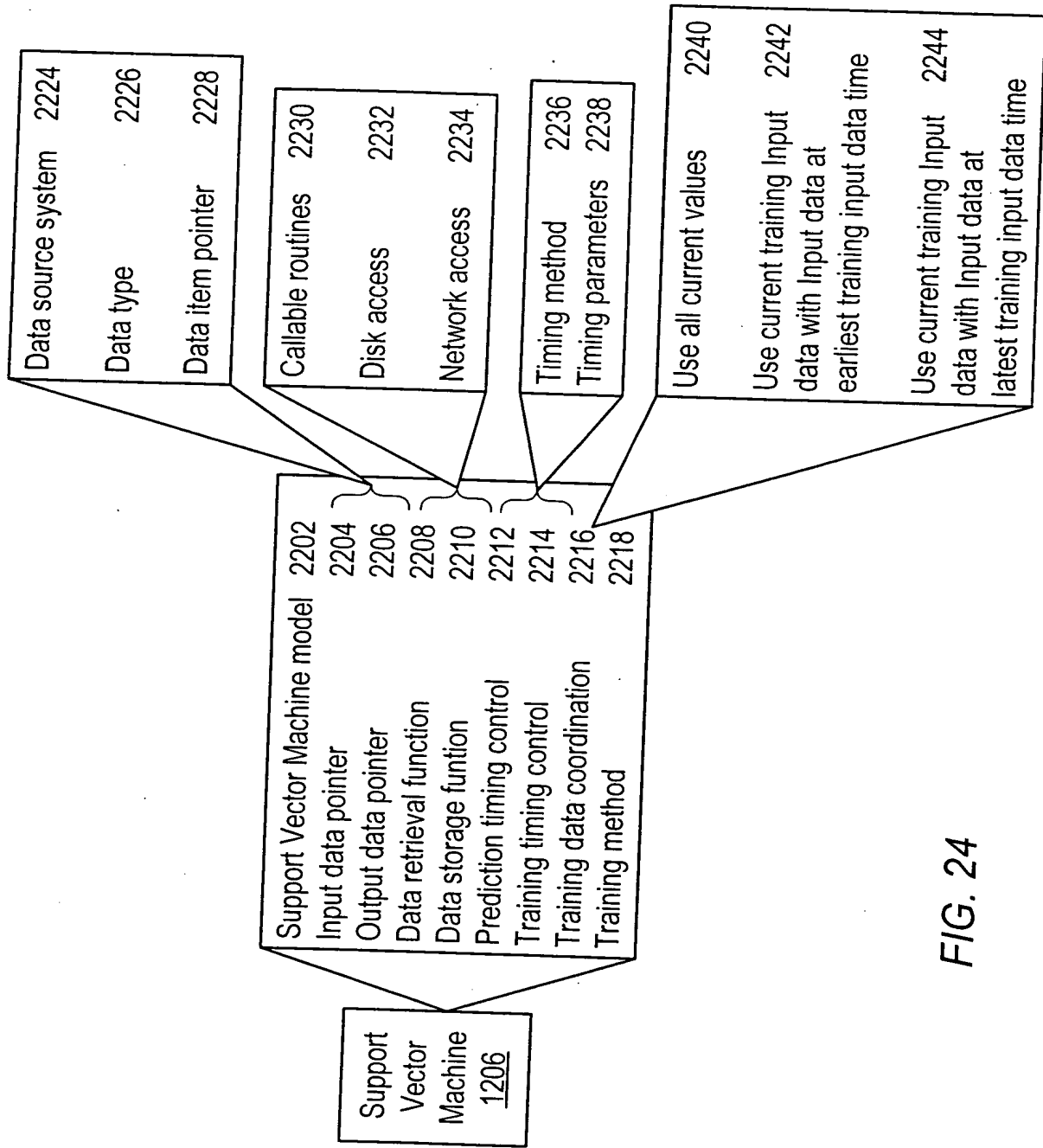


FIG. 24



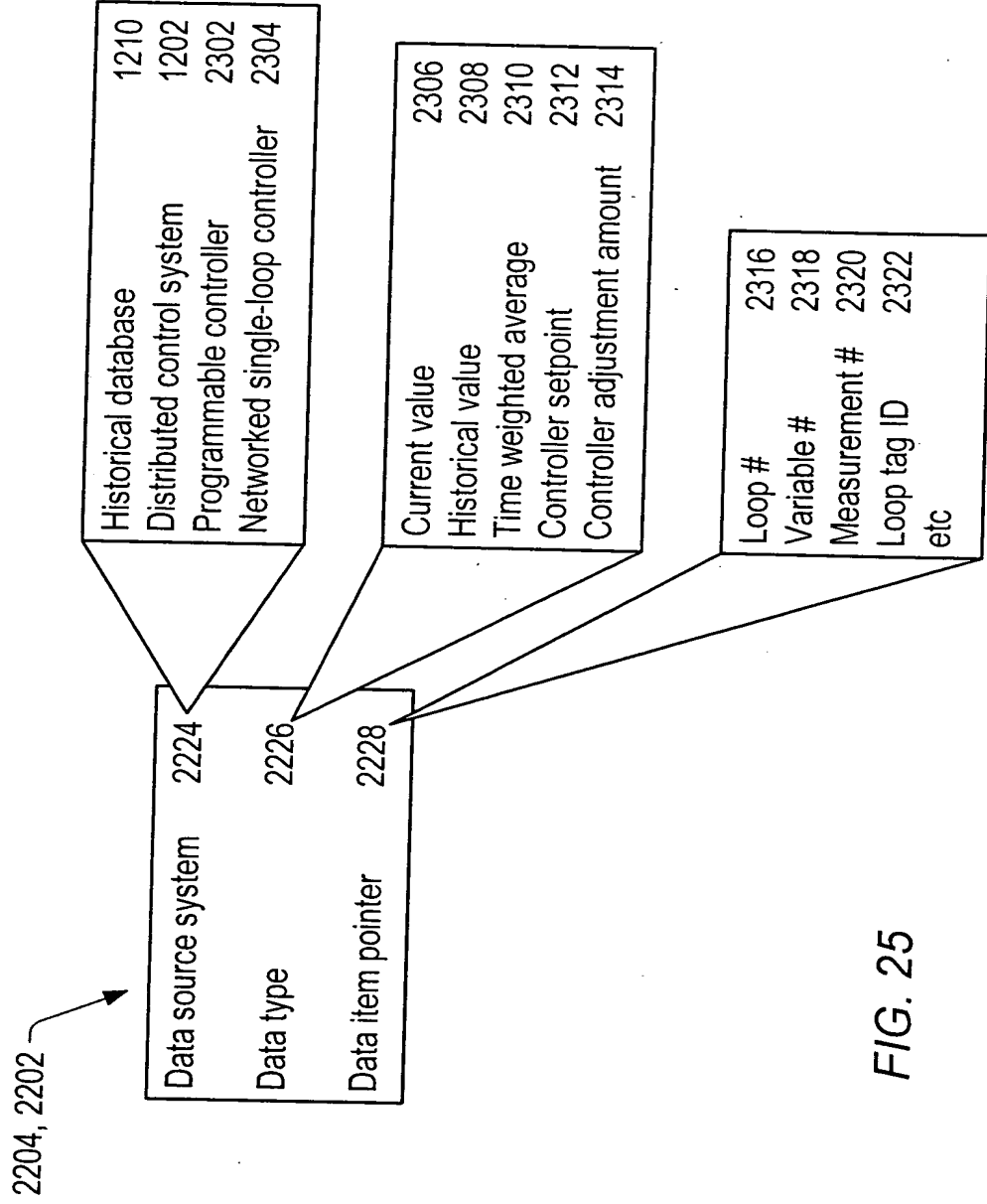


FIG. 25

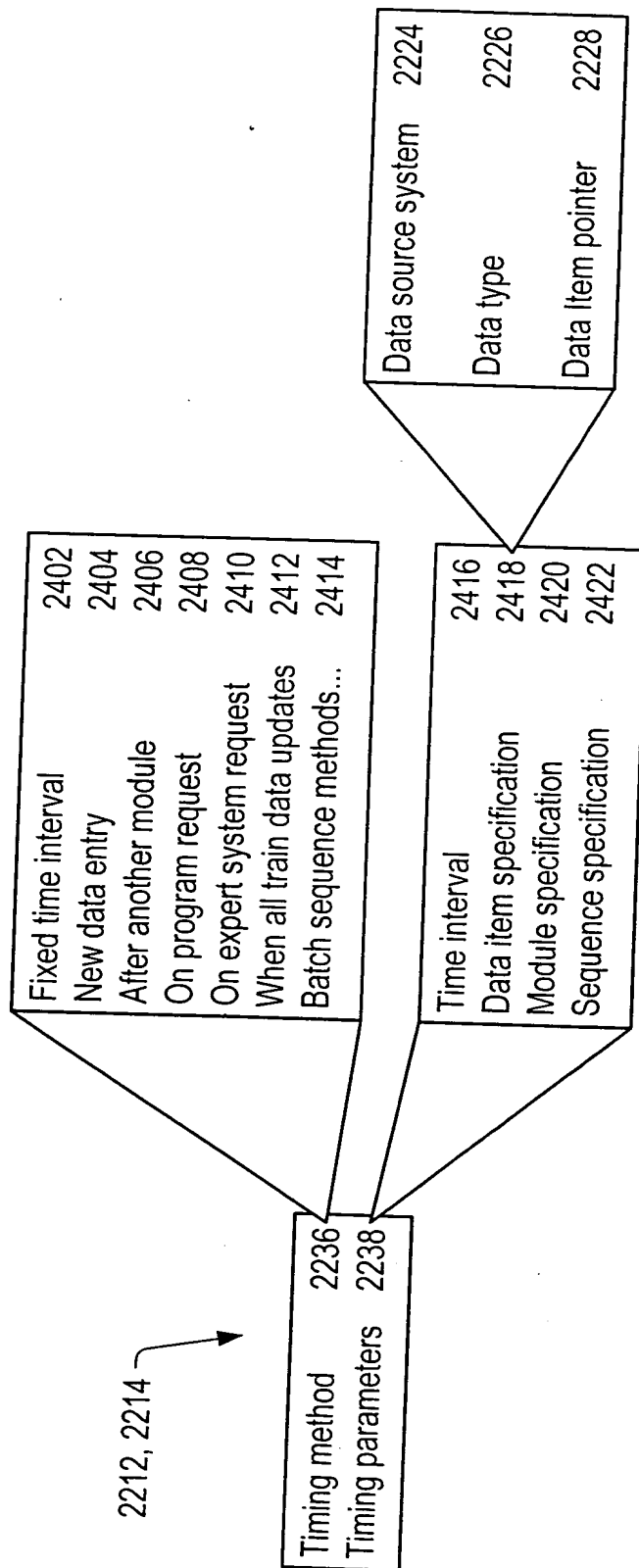


FIG. 26

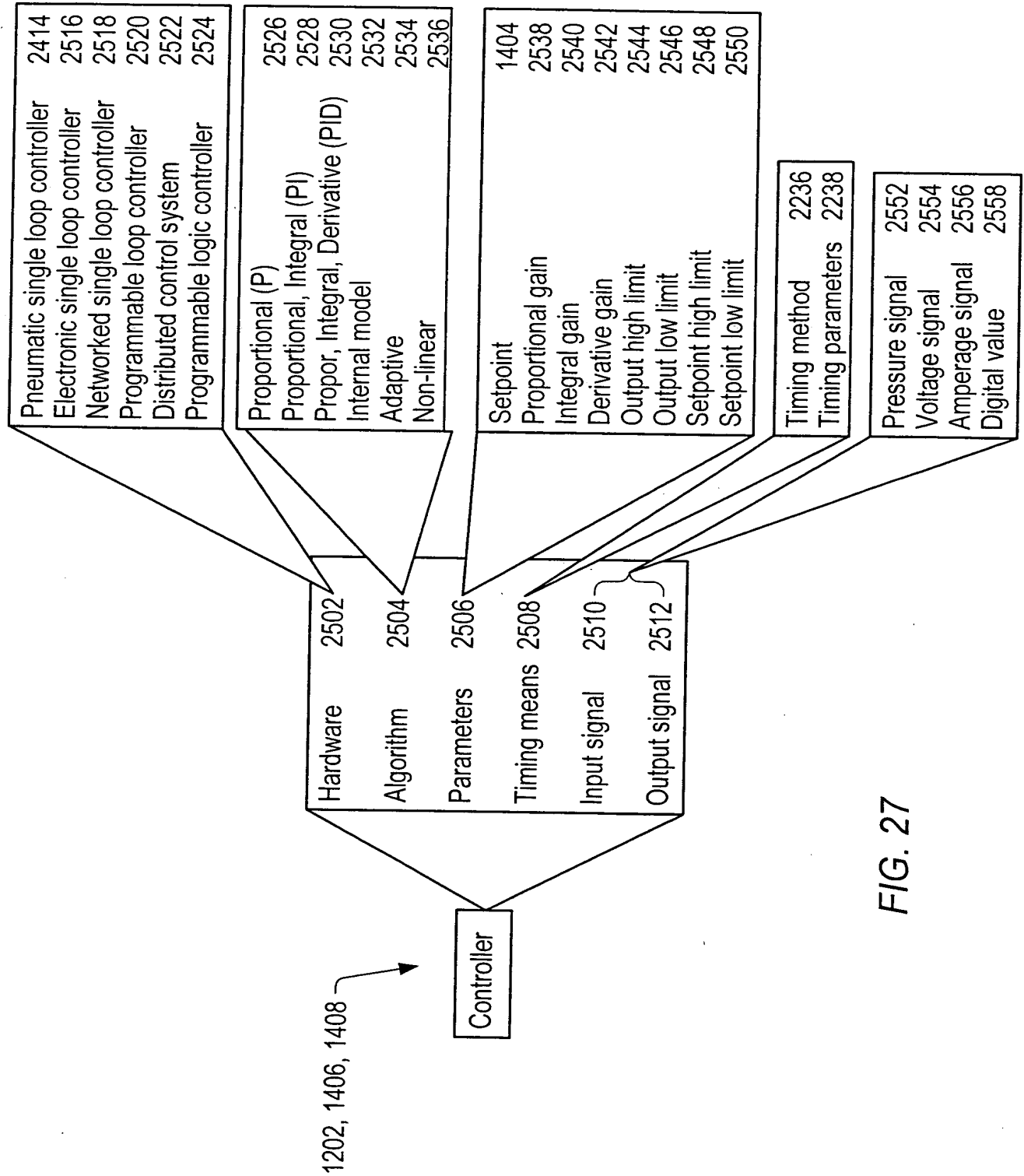


FIG. 27

2602 — BLOCK NUMBER: <span style="border: 1px solid black; padding: 2px;">179</span>		2600	
BLOCK TYPE: SUPPORT VECTOR MACHINE		BLOCK OWNER: USER NAME	
BLOCK DESCRIPTION: CONTROL APPLICATION NAME: APPLICATION NAME			
2604 — Text		2618	
EXTERNAL SWITCH TYPE STATUS PACE BLOCK #		11 DMT CL BTMS ACID	
TIMING OPTIONS		TIME INTRVL — KEY BLOCK	
TRAIN: WHEN ALL OUTPUTS UPDATE RUN: RUN AFTER PACE KEY BLOCK		<div style="border: 1px solid black; padding: 5px; display: inline-block;">         0 01:00:00       </div>	
		2620	
2606 — MODE		SUPPORT VECTOR MACHINE SIZE	
<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px;">           X TRAIN X RUN         </div> <div style="border: 1px solid black; padding: 5px;">           X WHEN TRAINING X WHEN RUNNING         </div> </div>		<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px;">           5 INPUTS 2 OUTPUTS         </div> <div style="border: 1px solid black; padding: 5px;">           3 KERNEL FUNCTION         </div> </div>	
		2622	
2608 — <input checked="" type="checkbox"/> COORDINATE INPUT DATA TIMES WITH TRAINING DATA TIMES WHEN TRAINING.			
2610 — TRAINING CONSTANT: <span style="border: 1px solid black; padding: 2px;">.500000</span>			
2612 — LOG FILE: <span style="border: 1px solid black; padding: 2px;">LOG FILE NAME</span>			
2614 — BLOCK STATUS: INACTIVE			
KEYPAD 4 RANDOMIZE COEFFICIENTS 2616		KEYPAD 7 TOGGLE ON/OFF	KEYPAD 8 DATA SPEC PAGE 2624
		KEYPAD 9 TOP OF FORM	KEYPAD -- PREV PAGE

FIG. 28



SUPPORT VECTOR MACHINE INPUTS (SCROLLABLE)

# 1 DMT PACE

TIME WT AVERAGE

VAR # 1105 XYLENE COL FEED MPPH

OLDEST TIME 0 01:00:00

NEWEST TIME 0 00:10:00

HIGH LIMIT 150.0

LOW LIMIT: 50.

MAX CHANGE 25.0

V

SUPPORT VECTOR MACHINE TRAINING INPUTS (SCROLLABLE)

# 1 DMT VANTAGE

CURRENT VALUE

VAR # 2081 XYL COL BTMS MFB PPM

DMT PACE

DMT VANTAGE

TPA PLANT PCS

DMT PLANT PCS

CRYSTAR VANTAGE

CRYSTAR TDC

2802

USE KEYPAD 0 TO EXIT

USE ARROW KEYS AND RETURN TO SELECT ONE CHOICE

HIGH LIMIT 1.0

LOW LIMIT: 0.0

MAX CHANGE 1.0

FIG. 30

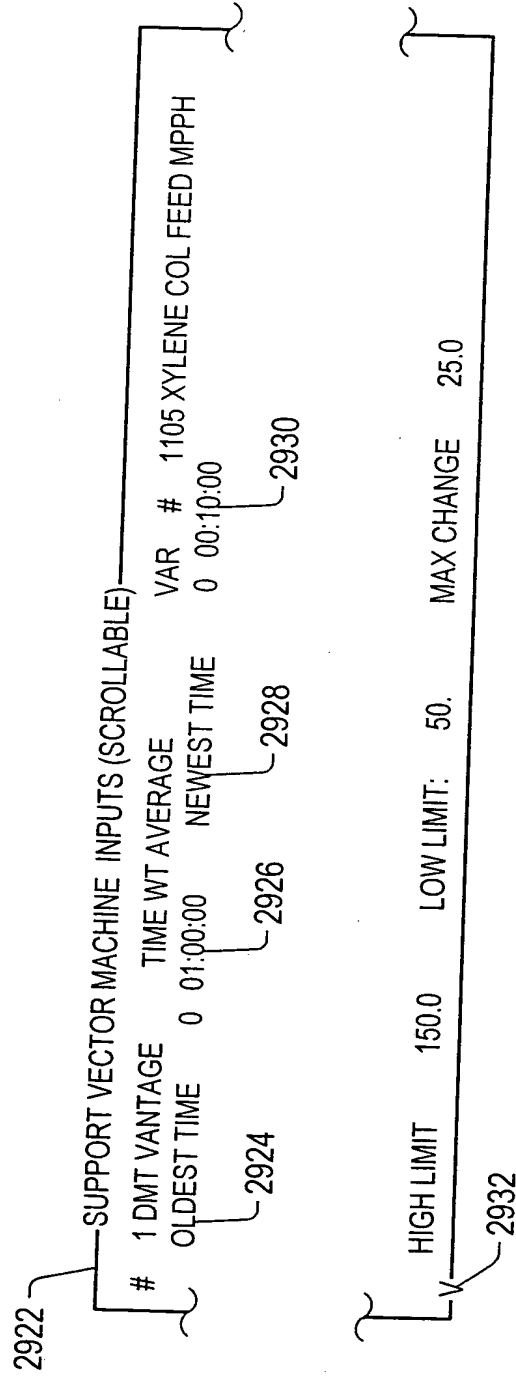
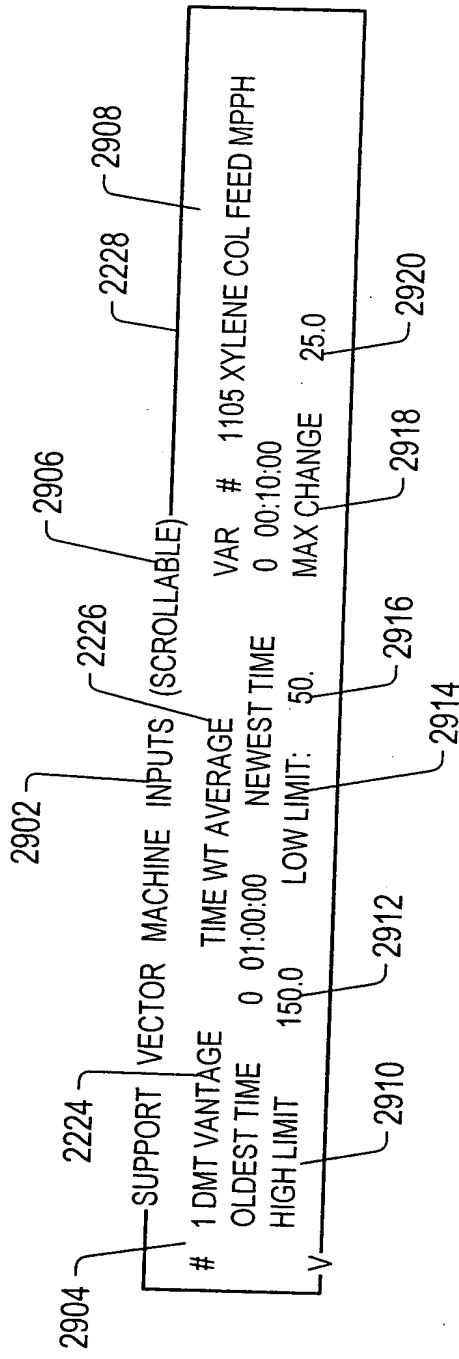


FIG. 31

0997627 112801

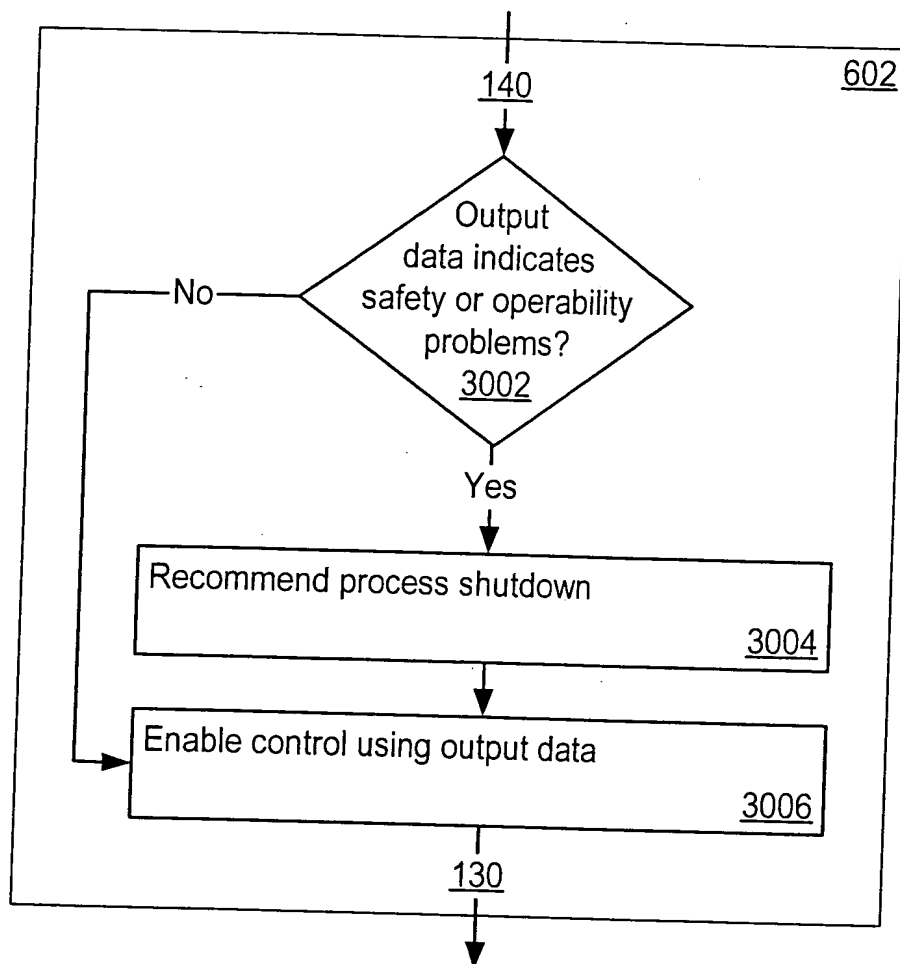


FIG. 32



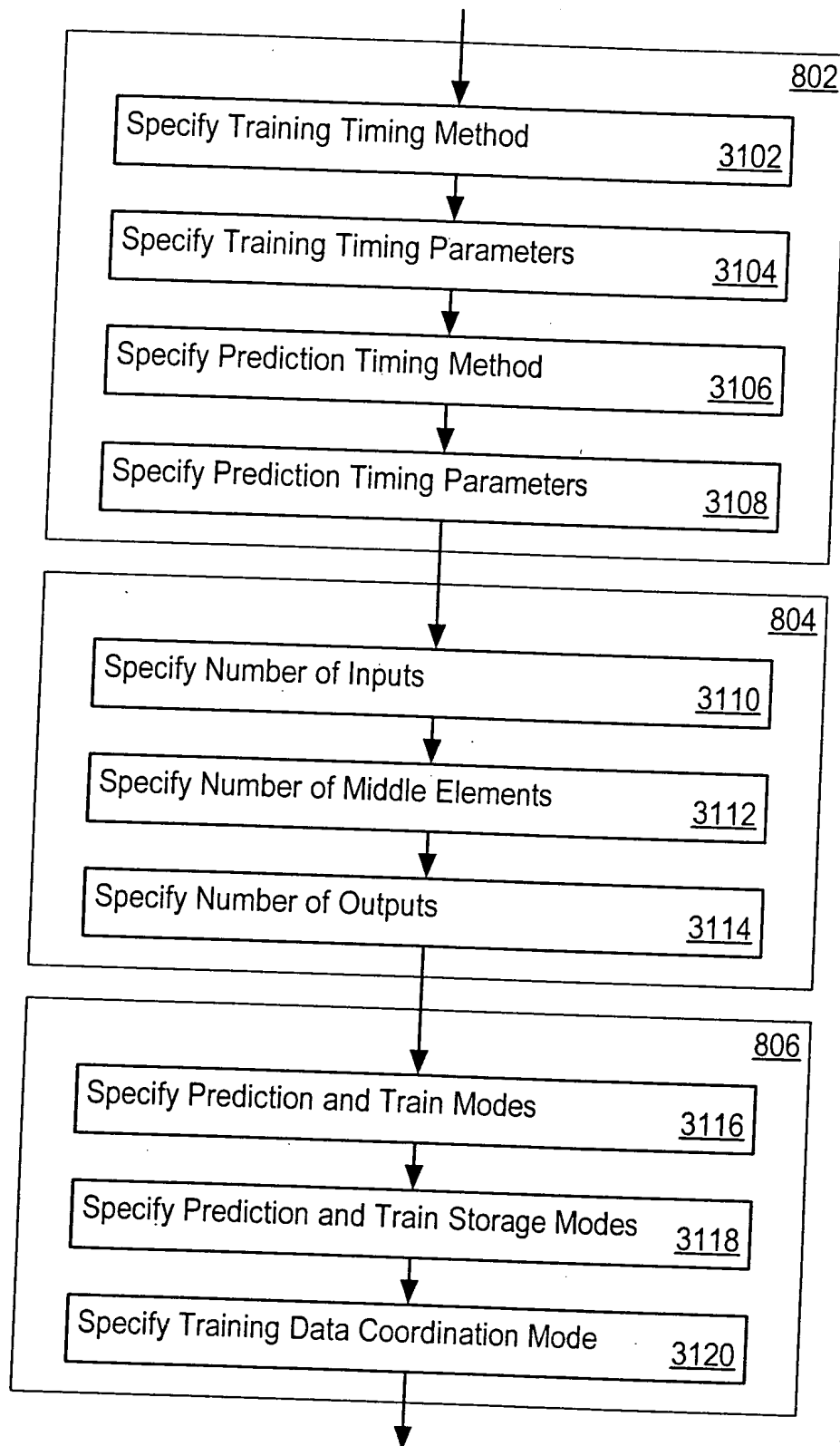


FIG. 33

0997621 292550

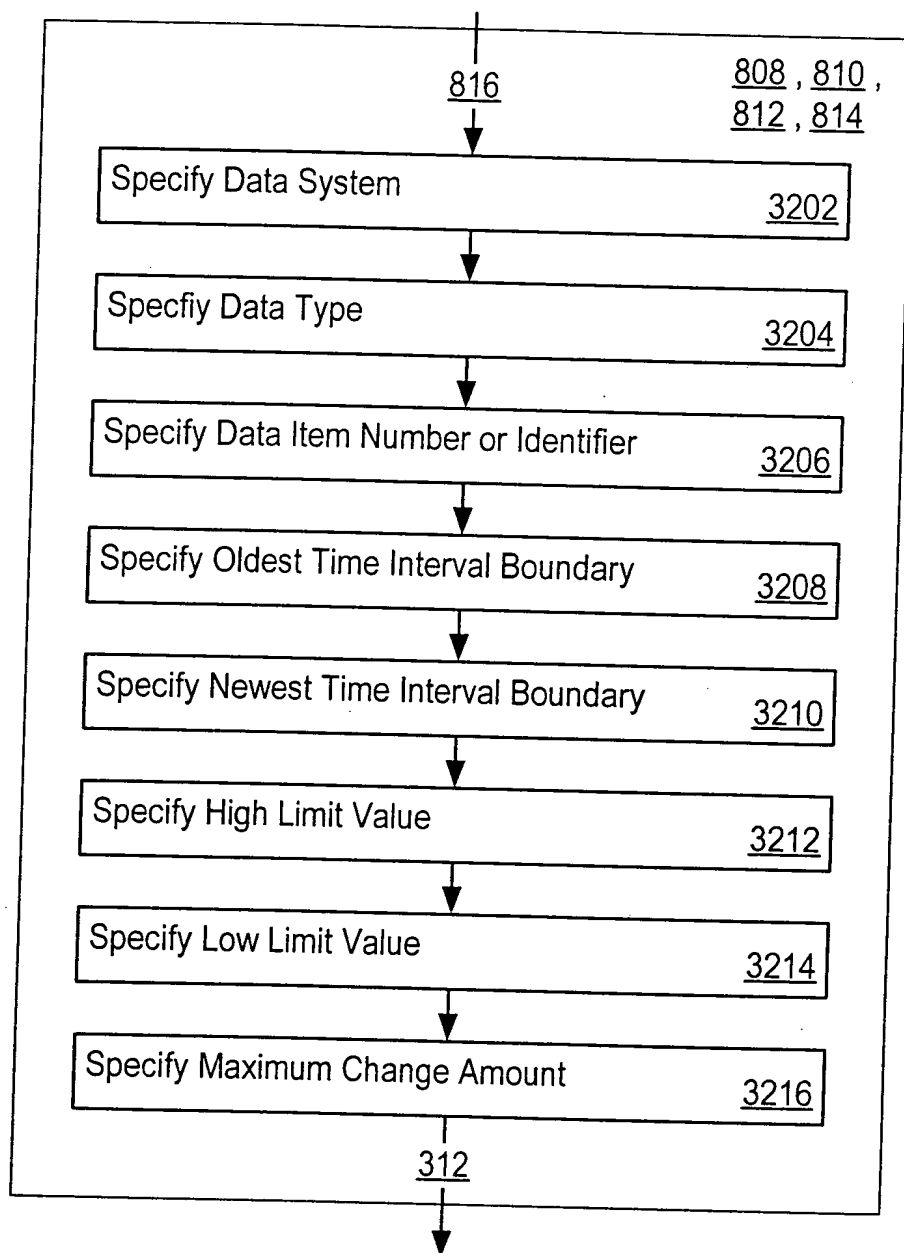


FIG. 34